



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTS

ATTY. DOCKET NO.  
UV-43

APPLN. NO.  
09/034,934

APPLICANTS  
Michael D. Ellis et al.

CONFIRMATION. NO.  
4014

FILING DATE

March 4, 1998

GROUP ART  
2611

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|----------|-----------------|-------|----------|----------------------------|
| 18               | 4,081,753       | 03/28/78 | Miller          | 325   | 396      |                            |
|                  | 4,170,782       | 10/09/79 | Miller          | 358   | 84       |                            |
|                  | 4,271,532       | 06/02/81 | Wine            | 455   | 186      |                            |
|                  | 4,367,559       | 01/04/83 | Tults           | 455   | 186      |                            |
|                  | 4,375,651       | 03/01/83 | Templin et al.  | 358   | 191.1    |                            |
|                  | 4,381,522       | 04/26/83 | Lambert         | 358   | 86       | RECEIVED                   |
|                  | 4,390,901       | 06/28/83 | Keiser          | 358   | 147      | NOV 26 2003                |
|                  | 4,425,579       | 01/10/84 | Merrell         | 358   | 86       |                            |
|                  | 4,429,385       | 01/31/84 | Cichelli et al. | 370   | 92       | Technology Center 2600     |
|                  | 4,495,654       | 01/22/85 | Deiss           | 455   | 151      |                            |
|                  | 4,527,194       | 07/02/85 | Sirazi          | 358   | 86       |                            |
|                  | 4,641,205       | 02/03/87 | Beyers, Jr.     | 360   | 33.1     |                            |
|                  | 4,689,022       | 08/25/87 | Peers et al.    | 434   | 307      |                            |
|                  | 4,754,326       | 06/28/88 | Kram et al.     | 364   | 900      |                            |
|                  | 4,908,713       | 03/13/90 | Levine          | 358   | 335      |                            |
|                  | 4,963,994       | 10/16/90 | Levine          | 358   | 335      |                            |
|                  | 5,038,211       | 08/06/91 | Hallenbeck      | 358   | 142      |                            |
|                  | 5,047,867       | 09/10/91 | Strubbe et al.  | 358   | 335      |                            |
|                  | 5,075,771       | 12/24/91 | Hashimoto       | 358   | 84       |                            |
|                  | 5,210,611       | 05/11/93 | Yee et al.      | 358   | 191.1    |                            |
|                  | 5,317,403       | 05/31/94 | Keenan          | 348   | 731      |                            |
|                  | 5,323,240       | 06/21/94 | Amano et al.    | 348   | 731      |                            |
|                  | 5,432,561       | 07/11/95 | Strubbe         | 348   | 565      |                            |
|                  | 5,444,499       | 08/22/95 | Saitoh          | 348   | 734      |                            |
|                  | 5,465,385       | 11/07/95 | Ohga et al.     | 455   | 6.1      |                            |
|                  | 5,477,262       | 12/19/95 | Banker et al.   | 348   | 7        |                            |
|                  | 5,481,296       | 01/02/96 | Cragun et al.   | 348   | 13       |                            |
|                  | 5,483,278       | 01/09/96 | Strubbe et al.  | 725   | 61       |                            |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicants.

7/22/01



|   |  |  |  |                                       |                           |
|---|--|--|--|---------------------------------------|---------------------------|
| FORM PTO-144 U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  |  |  | ATTY. DOCKET NO.<br>UV-43             | APPLN. NO.<br>09/034,934  |
| SUPPLEMENTAL INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANTS          |  |  |  | APPLICANTS<br>Michael D. Ellis et al. | CONFIRMATION. NO.<br>4014 |
|   |  |  |  | FILING DATE<br>March 4, 1998          | GROUP ART<br>2611         |

|           |          |                    |     |     |                        |  |
|-----------|----------|--------------------|-----|-----|------------------------|--|
| 5,534,911 | 07/09/96 | Levitin            | 348 | 1   |                        |  |
| 5,600,364 | 02/04/97 | Hendricks et al.   | 348 | 1   |                        |  |
| 5,617,565 | 04/01/97 | Augenbraum, et al. | 395 | 604 |                        |  |
| 5,621,456 | 04/15/97 | Florin et al.      | 348 | 7   |                        |  |
| 5,694,176 | 12/02/97 | Bruette et al.     | 348 | 563 |                        |  |
| 5,731,844 | 03/24/98 | Rauch et al.       | 348 | 563 |                        |  |
| 5,752,160 | 05/12/98 | Dunn               | 455 | 5.1 |                        |  |
| 5,774,357 | 06/30/98 | Hoffberg et al.    | 364 | 188 |                        |  |
| 5,801,747 | 09/01/98 | Bedard             | 348 | 1   |                        |  |
| 5,822,123 | 10/13/98 | Davis et al.       | 348 | 564 |                        |  |
| 5,848,396 | 12/08/98 | Gerace             | 705 | 10  |                        |  |
| 5,867,226 | 02/02/99 | Wehmeyer           | 725 | 46  | NOV 26 2003            |  |
| 5,880,768 | 03/09/99 | Lemmons et al.     | 348 | 1   |                        |  |
| 5,903,545 | 05/11/99 | Sabourin, et al.   | 370 | 225 | Technology Center 2600 |  |
| 6,075,526 | 06/13/00 | Rothmuller         | 345 | 327 |                        |  |
| 6,088,722 | 06/11/00 | Herz et al.        | 709 | 217 |                        |  |
| 6,216,264 | 04/10/01 | Maze et al.        | 725 | 53  |                        |  |
| 6,437,836 | 08/20/02 | Huang et al.       | 348 | 734 |                        |  |
| 6,505,348 | 01/07/03 | Knowles et al.     | 725 | 49  |                        |  |

RECEIVED

Technology Center 2600

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|------------------|-----------------|----------|---------|-------|----------|-------------|----|
|                  |                 |          |         |       |          | YES         | NO |
|                  | 1 554 411       | 10/17/79 | GB      | H04B  | 3/54     |             |    |
|                  | EP 0 774 866 A2 | 05/21/97 | EPO     | H04N  | 5/44     |             |    |
|                  | WO 86/01359     | 02/27/86 | PCT     | H04N  | 5/445    |             |    |
|                  | WO 89/03085     | 04/06/89 | PCT     | G06F  | 7/04     |             |    |
|                  | WO 94/13107     | 06/09/94 | PCT     | H04N  | 7/16     |             |    |
|                  | WO 95/28799     | 10/26/95 | PCT     | H04N  | 1/00     |             |    |

EXAMINER

DATE CONSIDERED

7/27/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicants.



|  |  |                                       |                           |
|--|--|---------------------------------------|---------------------------|
| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>UV-43             | APPLN. NO.<br>09/034,934  |
| SUPPLEMENTAL INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANTS |  | APPLICANTS<br>Michael D. Ellis et al. | CONFIRMATION. NO.<br>4014 |
|  |  | FILING DATE<br>March 4, 1998          | GROUP ART<br>2611         |

|             |          |     |      |       |                        |  |
|-------------|----------|-----|------|-------|------------------------|--|
| WO 96/17473 | 06/06/96 | PCT | H04N | 5/445 |                        |  |
| WO 96/41478 | 12/19/96 | PCT | H04N | 7/173 |                        |  |
| WO 98/26584 | 06/18/98 | PCT | H04N | 5/445 |                        |  |
| WO 98/48566 | 10/29/98 | PCT | H04N | 5/445 |                        |  |
| WO 99/01984 | 01/14/99 | PCT | H04N | 7/173 |                        |  |
| WO 99/45701 | 09/10/99 | PCT | H04N | 5/445 |                        |  |
| WO 00/04708 | 01/27/00 | PCT | H04N | 5/445 |                        |  |
| WO 00/05889 | 02/03/00 | PCT | H04N | 7/16  |                        |  |
| WO 00/28734 | 05/18/00 | PCT | H04N | 5/445 | NOV 26 2003            |  |
| WO 99/14947 | 02/28/02 | PCT | H04N | 5/445 |                        |  |
|             |          |     |      |       | Technology Center 2600 |  |
|             |          |     |      |       |                        |  |

RECEIVED

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|                  |  |
|------------------|--|
| EXAMINER INITIAL |  |
|                  |  |
|                  |  |

All references have been considered.

Examiner

EXAMINER

DATE CONSIDERED

7/6/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicants.